

Table 1.16 Future Climate IDF Curves for Gander Airport CS (8401705) – 2011-2040
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.4	5.8	6.8	7.7	8.0	8.9	9.8
10-min	6.4	8.5	9.9	11.3	11.7	13.0	14.3
15-min	7.7	10.3	12.1	13.8	14.3	16.0	17.7
30-min	10.3	13.8	16.1	18.3	19.0	21.2	23.4
1-hr	13.6	17.5	20.1	22.6	23.4	25.8	28.2
2-hr	19.0	24.3	27.7	31.1	32.2	35.4	38.7
6-hr	31.5	40.2	46.0	51.5	53.3	58.7	64.1
12-hr	41.2	53.5	61.6	69.4	71.9	79.5	87.0
24-hr	50.8	68.7	80.6	91.9	95.5	106.6	117.7
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.8	6.6	7.8	9.0	9.3	10.5	11.6
10-min	6.9	9.6	11.4	13.1	13.6	15.4	17.1
15-min	8.3	11.7	13.9	16.0	16.7	18.8	20.9
30-min	11.2	15.7	18.6	21.4	22.3	25.2	28.0
1-hr	14.6	19.5	22.7	25.8	26.8	29.9	33.0
2-hr	20.2	26.5	30.5	34.5	35.7	39.7	43.6
6-hr	33.4	43.5	50.0	56.4	58.5	64.9	71.1
12-hr	43.8	57.9	66.9	75.9	78.7	87.6	96.3
24-hr	54.6	75.1	88.3	101.4	105.6	118.5	131.2
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.0	7.4	9.0	10.6	11.1	12.7	14.3
10-min	7.2	10.7	13.2	15.5	16.3	18.6	20.9
15-min	8.7	13.0	16.1	19.0	19.9	22.8	25.6
30-min	11.7	17.5	21.7	25.6	26.9	30.8	34.6
1-hr	15.1	21.5	25.9	30.2	31.6	35.7	39.9
2-hr	20.8	28.6	34.1	39.3	41.0	46.1	51.2
6-hr	34.4	46.7	55.3	63.6	66.2	74.3	82.4
12-hr	45.3	62.3	74.1	85.6	89.2	100.3	111.4
24-hr	56.8	81.6	99.0	115.7	121.0	137.3	153.5

Table 1.17 Future Climate IDF Curves for Gander Airport CS (8401705) – 2041-2070
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.7	6.2	7.3	8.3	8.6	9.6	10.6
10-min	6.7	9.1	10.6	12.1	12.6	14.1	15.5
15-min	8.1	11.0	13.0	14.8	15.4	17.2	19.1
30-min	10.9	14.8	17.3	19.8	20.6	23.0	25.4
1-hr	14.2	18.5	21.3	24.0	24.9	27.5	30.2
2-hr	19.8	25.4	29.1	32.6	33.7	37.2	40.6
6-hr	32.8	41.9	47.9	53.7	55.6	61.2	66.9
12-hr	43.0	55.7	64.1	72.2	74.8	82.7	90.6
24-hr	53.4	71.9	84.2	96.0	99.8	111.3	122.8
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.1	7.2	8.7	10.0	10.4	11.7	13.0
10-min	7.4	10.5	12.6	14.6	15.3	17.2	19.1
15-min	8.9	12.7	15.4	17.9	18.7	21.1	23.5
30-min	11.9	17.1	20.7	24.1	25.1	28.4	31.6
1-hr	15.4	20.9	24.9	28.5	29.6	33.1	36.6
2-hr	21.1	28.0	32.9	37.4	38.8	43.1	47.5
6-hr	34.9	45.8	53.6	60.7	63.0	69.9	76.8
12-hr	45.9	61.1	71.8	81.5	84.6	94.1	103.6
24-hr	57.7	79.8	95.4	109.7	114.2	128.1	141.9
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.7	9.5	12.1	14.5	15.2	17.6	20.0
10-min	8.3	13.9	17.6	21.2	22.3	25.8	29.3
15-min	10.0	16.9	21.5	25.9	27.3	31.5	35.8
30-min	13.5	22.9	29.2	35.2	37.1	43.0	48.8
1-hr	17.1	27.2	33.9	40.3	42.4	48.7	54.9
2-hr	23.1	35.2	43.1	50.8	53.2	60.6	68.1
6-hr	38.0	56.7	69.0	80.9	84.6	96.2	107.7
12-hr	50.3	75.8	92.7	108.9	114.0	129.9	145.6
24-hr	64.0	101.4	126.2	150.0	157.5	180.7	203.8

**Table 1.18 Future Climate IDF Curves for Gander Airport CS (8401705) – 2071-2100
Time Horizon**

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.7	6.5	7.7	8.7	9.1	10.1	11.1
10-min	6.8	9.5	11.2	12.8	13.3	14.8	16.3
15-min	8.2	11.5	13.7	15.6	16.2	18.2	20.1
30-min	11.0	15.4	18.2	20.9	21.7	24.2	26.8
1-hr	14.4	19.2	22.3	25.1	26.0	28.8	31.6
2-hr	19.9	26.1	30.1	33.8	34.9	38.5	42.1
6-hr	32.9	43.0	49.4	55.4	57.3	63.1	68.9
12-hr	43.3	57.2	66.1	74.4	77.0	85.1	93.1
24-hr	53.8	74.2	87.1	99.1	103.0	114.8	126.5
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.1	7.2	8.5	9.8	10.3	11.6	12.8
10-min	7.3	10.4	12.4	14.3	15.0	16.9	18.8
15-min	8.8	12.6	15.1	17.5	18.3	20.6	23.0
30-min	11.9	17.0	20.3	23.5	24.6	27.7	30.9
1-hr	15.3	20.8	24.4	27.9	29.1	32.5	35.9
2-hr	21.0	27.9	32.4	36.8	38.2	42.5	46.8
6-hr	34.7	45.7	52.9	59.9	62.1	69.0	75.8
12-hr	45.8	60.8	70.7	80.3	83.4	92.8	102.2
24-hr	57.4	79.4	93.9	107.9	112.4	126.2	139.8
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.6	9.2	11.8	14.3	15.1	17.5	20.0
10-min	8.1	13.3	17.2	20.9	22.1	25.7	29.3
15-min	9.7	16.2	21.0	25.5	26.9	31.4	35.8
30-min	13.1	22.0	28.5	34.7	36.7	42.8	48.8
1-hr	16.6	26.2	33.2	39.8	42.0	48.5	55.0
2-hr	22.6	34.0	42.3	50.2	52.8	60.5	68.2
6-hr	37.2	54.9	67.8	80.1	84.0	96.1	108.1
12-hr	49.2	73.5	91.1	108.0	113.4	129.9	146.3
24-hr	62.4	98.0	123.9	148.7	156.6	180.9	205.0